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ISO 9001:2008

CONSULTANTS & TESTING CENTER

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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-JCP-W.O-17-2015-16

Date: 02.02.2015

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency : **M/s J C Prakash Infrastructure Pvt. Ltd.**, Bangalore.
Name of the work : Construction of Bridge over Strom Water Drain at 12th Main Road, Muthyala Nagar in JP Park Ward No.17
Location : Approach Slab
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

SL.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.01.2015	02.02.2015	8.467	742.1	32.98
2	05.01.2015	02.02.2015	8.423	763.0	33.91
3	05.01.2015	02.02.2015	8.418	742.6	33.00

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

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Job No.: CECTC-JCP-W.O-17-2014-15

Date: 17.04.2014

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency : **M/s J C Prakash Infrastructure Pvt. Ltd.**, Bangalore.
Name of the work : Construction of Bridge over Strom Water Drain at 12th C Road, Muthyala Nagar in JP Park Ward No.17
Location : Open Foundation
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₅
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	20.03.2014	17.04.2014	8.365	822.7	36.56
2	20.03.2014	17.04.2014	8.347	810.8	36.04
3	20.03.2014	17.04.2014	8.389	842.8	37.46

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Job No.: CECTC-JCP-W.O-17-2014-15

Date: 22.05.2014

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency : **M/s J C Prakash Infrastructure Pvt. Ltd.**, Bangalore.
Name of the work : Construction of Bridge over Strom Water Drain at 12th C Road, Muthyala Nagar in JP Park Ward No.17
Location : Open Foundation
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₅
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	24.04.2014	22.05.2014	8.326	855.7	38.03
2	24.04.2014	22.05.2014	8.318	826.5	36.73
3	24.04.2014	22.05.2014	8.365	819.8	36.43

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Job No.: CECTC-JCP-W.O-17-2014-15

Date: 27.06.2014

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency : **M/s J C Prakash Infrastructure Pvt. Ltd.**, Bangalore.
Name of the work : Construction of Bridge over Strom Water Drain at 12th C Road, Muthyala Nagar in JP Park Ward No.17
Location : Super Structure
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₅
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	30.05.2014	27.06.2014	8.326	816.5	36.29
2	30.05.2014	27.06.2014	8.347	845.3	37.57
3	30.05.2014	27.06.2014	8.319	832.2	36.98

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Job No.: CECTC-JCP-W.O-17-2014-15

Date: 30.07.2014

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency : **M/s J C Prakash Infrastructure Pvt. Ltd.**, Bangalore.
Name of the work : Construction of Bridge over Strom Water Drain at 12th C Road, Muthyala Nagar in JP Park Ward No.17
Location : Super structure
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₅
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	02.07.2014	30.07.2014	8.385	828.5	36.82
2	02.07.2014	30.07.2014	8.397	837.5	37.22
3	02.07.2014	30.07.2014	8.347	819.0	36.40

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Job No.: CECTC-JCP-SWD-2014-15

Date: 05.03.2014

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : Executive Engineer, Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : Sri.J.C.Prakash, Contractor, Bangalore.
Name of Work : Construction of Bridge over storm water drain at 12th C Main Road,
Muthyala Nagar in JP Park Ward No.17
Sample Identification : 10mm, 12mm, 16mm, 20mm, 25mm TMT Fe 415 Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test : 05.03.2014

S.No	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation, percent on gauge length
1	Fe 415	10	0.616	493	521	16.0
2	Fe 415	12	0.885	521	559	19.0
3	Fe 415	16	1.61	549	578	20.0
4	Fe 415	20	2.470	568	596	22.0
5	Fe 415	25	3.860	580	610	23.0

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For Civil Experts

Lakshmi
Authorised Signature

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Job No.: CECTC-JCP-2014-15

Date: 10.03.2014

TEST REPORT

CLIENT	:	Executive Engineer, Rajarajeshwari Nagara Division, BBMP Bangalore.
AGENCY	:	Sri.J.C.Prakash, Contractor, Bangalore.
NAME OF THE WORK	:	Construction of Bridge over Storm Water Drain at 12 th C Road, Muthyala Nagar in JP Park Ward No.17, BBMP, Bangalore.
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	190 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	370 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.50 %	-

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For Civil Experts
Satish
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Job No.: CECTC-JCP-2014-15

Date : 10.03.2014

**TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)**

Client : Executive Engineer, Rajarajeshwari Nagara Division, BBMP Bangalore.
Agency : Sri.J.C.Prakash, Contractor, Bangalore.
Name of Work : Construction of Bridge over Storm Water Drain at 12th C Road, Muthyala Nagar in JP Park Ward No.17, BBMP, Bangalore.
Date of Testing : 10.03.2014
Material : Sand **Total Wt. of Aggregates** **1500**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	90	6.00	6.00	94.0	90-100
2.36	136	9.07	15.07	84.9	75-100
1.18	220	14.67	29.73	70.3	55-90
600 Micron	228	15.20	44.93	55.1	35-59
300 Micron	385	25.67	70.60	29.4	8-30
150 Micron	370	24.67	95.27	4.7	0-10

Information is furnished by the Agency

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Naseem
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Job No.:

CECTC-JCP-2014-15

Date : 10.03.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : Executive Engineer, Rajarajeshwari Nagara Division, BBMP Bangalore.
Agency : Sri.J.C.Prakash, Contractor, Bangalore.
Name of Work : Construction of Bridge over Storm Water Drain at 12th C Road, Muthyala Nagar in JP Park Ward No.17, BBMP, Bangalore.
Date of Testing : 10.03.2014
Material : 20mm Aggregates

Total Wt. of Aggregates in gms = 5000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	198	4.0	4.0	96.0	95-100
10	2765	55.3	59.3	40.7	25-55
4.75	1720	34.4	93.7	6.3	0-10

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